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APR 29 1983

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PHILIP MORRIS INCORPORATED

Law Department Memorandum
Richmond, Virginia

TO: Foreign Patent Subcommittee

DATE: 28 April 1983

FROM: G. Inskeep

SUBJECT: CASES TO BE CONSIDERED FOR FOREIGN FILING

This memo concerns a group of related cases on the "Dial-a-Taste" program, one of which (Case III) requires a decision on foreign filing by 1 June 1983. But they need to be considered as a group because the more important ones (Cases I and II) presumably would be filed more widely and take longer in preparation. We also need to be selective about foreign filing of the less important ones so as to apply available funds from the 1983 budget in the most effective way.

Please note that Case III repeated here also appeared as Case III on the January 31 recommendation.

Case I - PM 1110

ADJUSTABLE FILTER CIGARETTE

USSN 429392 filed 30 September 1982; no US Action to date

Inventors - W. Nichols and R. Newsome

Abstract - A filter cigarette is provided which comprises a tobacco rod which includes a charge of tobacco wrapped in cigarette paper, an integral, axially aligned cylindrical filter plug, and tipping paper. The filter plug is divided into first and second segments with the first segment being rotatable with respect to the second segment. Rotation of the first segment with respect to the second segment, in one embodiment of the invention, serves to vary the air dilution value of the cigarette. In another embodiment, rotation of the first segment with respect to the second segment produces variable resistance-to-draw in the cigarette. Both of the above embodiments can be combined into yet another embodiment to produce a cigarette which maintains a constant resistance-to-draw value as the air dilution value is varied. In yet another embodiment, an encapsulated flavorant is provided which is released responsive to rotation of the first segment with respect to the second segment. The flavorant release embodiment can be combined with the other embodiments.

1003725199

Case I

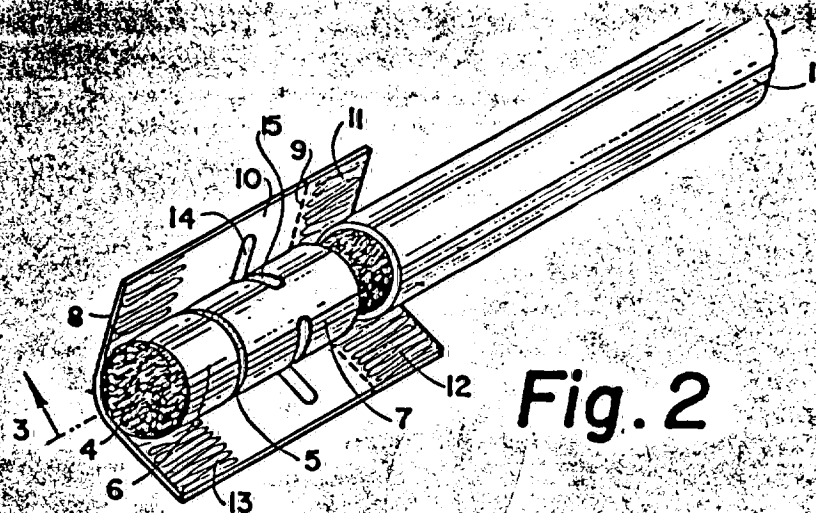


Fig. 2

Case I

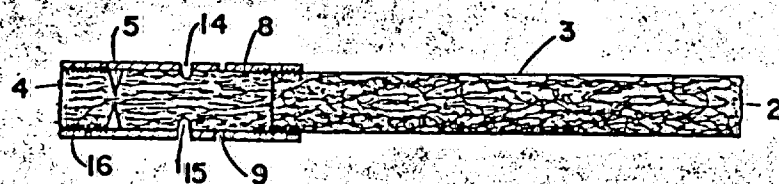


Fig. 3

Case II

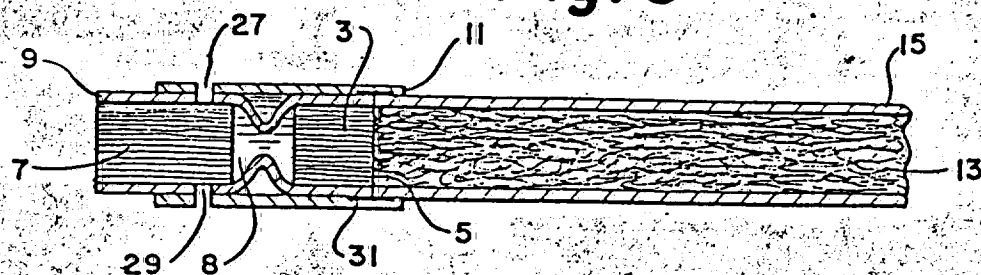


Fig. 10

Case II

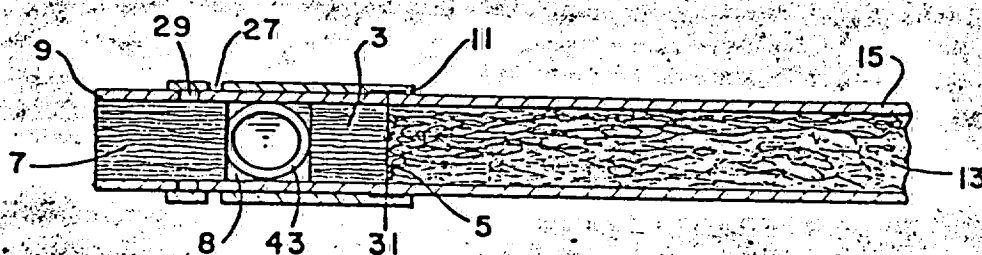


Fig. 11

1003725200

Case II - PM 1125**FILTER CIGARETTE**

USSN 429394 filed 30 September 1982; no US Action to date

Inventors - W. Houck, W. Nichols, and R. Newsome

Abstract - A filter cigarette is provided which is adjustable to provide a wide range of air dilution and/or RTD values and which comprises a tobacco rod, a substantially cylindrical filter plug and substantially air impermeable tipping paper. The filter plug comprises a first, mouth-end segment and a second, axially aligned, rod-end segment spaced apart from the first segment. The wrapping, which is substantially air impermeable, circumscribes the first and second segments defining a substantially cylindrical void therebetween which may include means for releasing varying amounts of a flavorant. The first segment is movable towards the second segment thereby compressing the plug wrap between the segments which decreases the volume of the void and increases the RTD value of the cigarette. Variable air dilution is achieved by providing at least one opening in the tipping paper and at least one opening in the underlying plug wrap positioned such that, as the first segment is moved axially towards the second segment, the first and second openings are moved into varying degrees of registry, thereby admitting varying amounts of air to the filter.

Projected Value of the Invention - These first two cases are regarded by Leo Meyer as the most promising of the six. They afford the prospect of marketing a really different product. Although variable dilution is seen as a very good "handle" for advertising purposes, however, there remains some doubt about the prospects for commercial introduction.

Recommendation - We recommend that these be filed fairly widely, including many of the EPO countries, and generally along the lines suggested for Case III below when it was taken up with our January 31 recommendations. This would include Australia, Canada, Brazil, Japan and via EPO, at least Germany, Netherlands, Switzerland and the UK. Others to be considered might include other European countries, South Africa, Philippines and perhaps Argentina and Venezuela.

Recommendations of Committee Member -

1003725201

Case III - PM 1096

CIGARETTE

USSN 401380 filed 23 July 1982; no US Action to date

Inventors - R. Newsome, R. Thesing, W. Houck, and W. Nichols

Abstract - A cigarette is provided which comprises a tobacco rod, and an integral axially aligned substantially cylindrical assembly at the mouth end of the cigarette which preferably includes a wrapped cylindrical filter plug and tipping paper, and which is provided with means to adjust the air dilution value of the cigarette. The assembly has first and second ends, which are open to permit the passage of air and smoke, and at least two openings in addition to the open ends. Means are provided for rotating one opening relative to the other so that the openings are in varying degrees of registry to permit varying amounts of air to combine with and dilute the smoke.

The Invention - Among the "Dial-a-Taste" cigarettes, this one is fairly basic.

1003725202

Case III

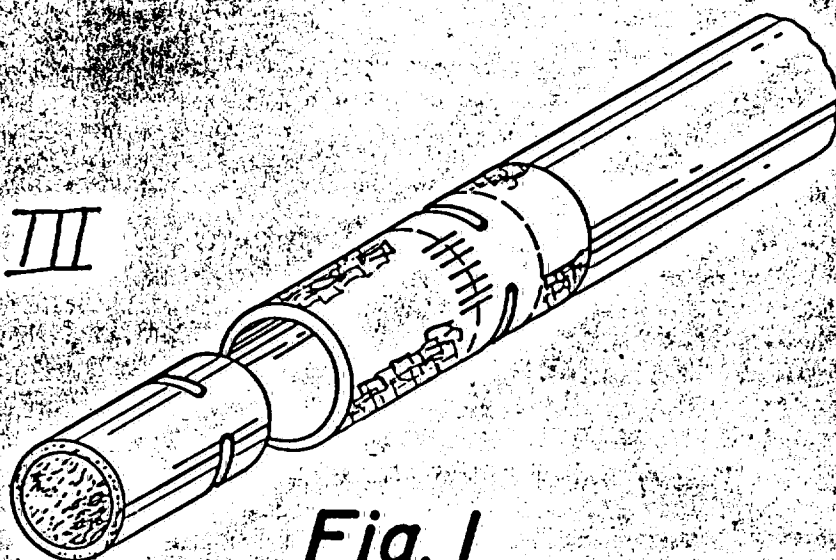


Fig. 1

Case IV

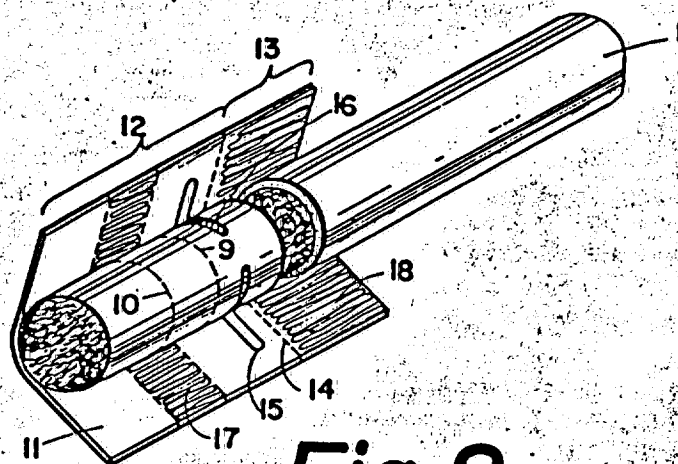


Fig. 2

Case V

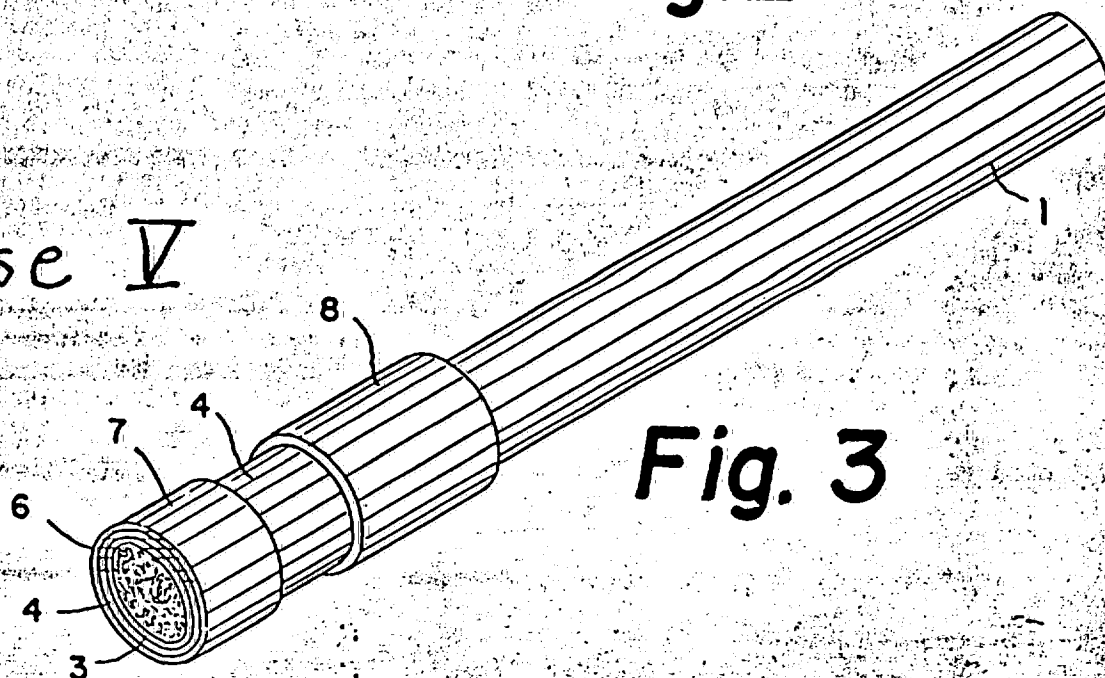


Fig. 3

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Case IV - PM 1111**FILTER CIGARETTE**

USSN 429354 filed 30 September 1982; no US Action to date

Inventors - W. Nichols and R. Newsome

Abstract - A filter cigarette is provided which comprises a tobacco rod, an integral, axially aligned substantially cylindrical wrapped filter plug at the mouth end of the tobacco rod, and tipping paper surrounding the filter plug. The filter plug has first and second ends, which are open to permit the passage of air and smoke. The plug wrap is divided into a mouth-end band, a central band, and a rod-end band having an opening therethrough. The first and third bands are attached to the filter. The tipping paper circumscribes the filter plug and extends from the mouth end of the filter plug to a position on the tobacco rod adjacent to the rod end of the filter plug. The tipping paper is divided into first and second bands, the first band extending from the mouth end to a position adjacent the tobacco rod overlying the third band of the plug wrap. The second band of the tipping paper abuts the first band of the tipping paper and overlaps and attaches the rod end of the filter to the abutting end of the tobacco rod. The first band of the tipping paper has an opening therein which is positioned in registry with an opening in the third band of the plug wrap. The first band of the tipping paper is attached to the plug wrap only at the central band for rotation therewith about the longitudinal axis of the filter, whereby the opening in the tipping paper is rotated into varying degrees of registry with the opening in the underlying plug wrap to permit varying amounts of air to combine with the smoke, thereby varying the air dilution value of the cigarette.

1003725204

Case V - PM 1126FILTER CIGARETTE

USSN 429393 filed 30 September 1982; no US Action to date

Inventors - W. Nichols, R. Newsome, and W. Geiszler

Abstract - A filter cigarette is provided which has a wrapped filter plug aligned to end-to-end abutting relationship with a substantially cylindrical tobacco rod. The filter plug and tobacco rod are circumscribed and joined by a substantially air permeable first layer of tipping paper. Circumscribing the first layer of tipping paper is a second layer of substantially air impermeable tipping paper. The second layer has a circumferentially extending row of closely spaced perforations intermediate the two ends of the second layer which divides it into a mouth-end sleeve attached to the first layer at the mouth end of the cigarette and a second rod-end sleeve detachable from the mouth end sleeve by rotating the sleeve relative to the first sleeve so that it can move axially between the mouth-end sleeve and positions along the tobacco rod allowing air to enter the filter through the exposed portions of the air permeable layers.

1003725205

Case VI - PM 1124**FILTER CIGARETTE**

USSN 439588 filed 5 November 1982; no US Action to date

Inventor - M. Hausermann

Abstract - A filter cigarette is provided which is adjustable to provide a wide range of air dilution values and which comprises a tobacco rod, a wrapped substantially cylindrical filter plug, and air transmissive tipping paper. The filter plug comprises a first mouth-end segment and a second, axially aligned, abutting rod-end segment which are joined such that the first segment is rotatable about the common axis. The second segment abuts and is joined to the tobacco rod. The wrapping is substantially air impermeable and has a plurality of first longitudinally extending, substantially air impermeable depressions spaced about the circumference of the first segment which are registrable with corresponding second, longitudinally extending, substantially air impermeable depressions spaced about the circumference of the second segment, such that as the first segment is rotated relative to the second segment, the degree of registry of the first and second depressions varies, thereby admitting varying amounts of air to the filter.

Projected Value of the Invention - Cases III-VI, which may be combinable, are said by Leo Meyer to be less promising than the other group. The Committee had elected to file Case III quite widely, as the first representative of the class.

Recommendation - An application could be filed in a limited number of countries. Another possibility is disclosure of these embodiments in the Case I-II applications, perhaps without specific claiming, to secure publication of the details.

Recommendations of Committee Member -

Committee:

C. Adkins
B. Brooks/J. Mandiratta
P. Clarke
A. Palmer
L. Pollak
F. Resnik
J. Schardt
O. Smith
R. Thomson

cc:

W. Farone
H. Gaisch
M. Hausermann
S. Hutcheson
L. Meyer
T. Osden
R. Seligman
G. Taylor
L. Turano

1003725206

Case VI

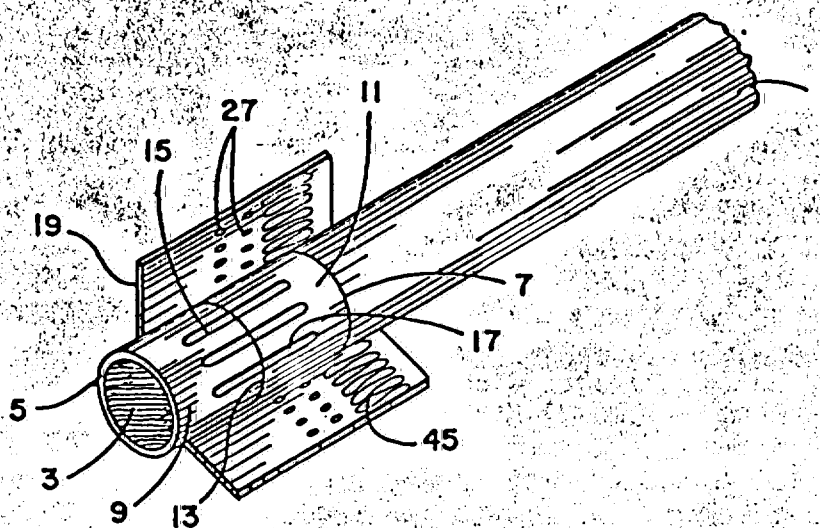


Fig. 7

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